## ABSTRACT OF THE DISCLOSURE

An electronic stereoscopic imaging system having right and left image pick-up devices and right and left image data memories has a memory control module that is adapted to shift read start addresses of the right and left memories for horizontal pixel lines of right and left solid state image sensors to lower and higher addresses, respectively, according to object distances detected or visually determined so as thereby to vary a convergence angle of the right and left image pick-up devices with respect to the object according to the object distances apparently similar to a specified convergence angle suitable for natural stereoscopic vision.